

AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended): A method of inhibiting Fyn/Lck fatty acylation and protein palmitoylation in a cell in an individual having an autoimmune disease comprising:

administering to said individual a pharmacologically effective dose of 2-bromopalmitate.

Claim 2 (previously amended): The method of claim 1, wherein said 2-bromopalmitate is administered in a dose of about 0.1 mg/kg to about 100 mg/kg of total body weight of said individual.

Claim 3 (previously amended): The method of claim 1, wherein said 2-bromopalmitate inhibits protein palmitoylation within the N-terminus of the proteins.

Claim 4 (previously amended): The method of claim 1, wherein said 2-bromopalmitate further inhibits myristoylation of proteins.